



## UNITED STATES DEPARTMENT OF COMMERCE

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09/249011

APPLICATION NUMBER FILING DATE FIRST NAMED APPLICANT ATTY DOCKET NO. 14

EXAMINER

ART UNIT

PAPER NUMBER

9

DATE MAILED:

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

## OFFICE ACTION SUMMARY

- ☒ Responsive to communication(s) filed on \_\_\_\_\_
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 1 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

- ☒ Claim(s) 1-63 is/are pending in the application.  
Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☒ Claim(s) 1-63 are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- ☐ Notice of Reference Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s) \_\_\_\_\_
- ☐ Interview Summary, PTO-413
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

-SEE OFFICE ACTION ON THE FOLLOWING PAGES-

### DETAILED ACTION

1. Restriction to one of the following inventions is required under 35 U.S.C. § 121:

I. Claims 1-40, 46, 49, 50, drawn to humanized B7-2-specific antibodies, nucleic acids encoding said antibodies, vectors, host cells, transformants and expression thereof, as well as methods of making said humanized antibodies, classified in Class 530, subclass 387.3; Class 536, subclasses 23.53; Class 435, subclasses 69.6, 252.3, 320.1, 440.

II. Claim 41, 42-44, 53, drawn to a method of treating transplanted patients with with a humanized B7-2-specific antibody; classified in Class 424, subclass 144.1.

III. Claims 41, 45, 47, 48 drawn to a method of treating diseases with a humanized B7-2-specific antibody; classified in Class 424, subclass 153.1.

IV. Claims 52 drawn to a method of treating diseases with a humanized B7-1 and B7-2-specific antibody; classified in Class 424, subclass 153.1

V. Claim 51, drawn to a method for determining the presence/absence of B7-2 with B7-2-specific antibodies, classified in Class 435, subclass 7.1.

VI. Claim, 53, drawn to a method of treating transplanted patients with with a humanized B7-1 and B7-2-specific antibodies; classified in Class 424, subclass 144.1

VII. Claims 54-63, drawn to methods of transplanting cells by ex vivo methods using B7-1 and B7-2-specific antibodies, classified in Class 424, subclass 140.1.

2. Inventions I and II-VII are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (M.P.E.P. § 806.05(h)).

In the instant case, the product as claimed can be used in a materially different process such as affinity purification procedures or detection assays or the various methods of Groups II-VIII.

The nucleic acids, vectors, host cells of Group I are not related to the methods of Groups II-VII.

3. Inventions II-VII are different methods, which require different ingredients, process steps and endpoints to accomplish the use of B7-2-specific antibodies or B7-1-/B7-2-specific antibodies. Therefore, they are patentably distinct.

4. Because these inventions are distinct for the reasons given above and the search required for any group from Groups I-VII is not required for any other group from Groups I-VIII and Groups I-VIII have acquired a separate status in the art as shown by their different classification and non-coextensive searches, restriction for examination purposes as indicated is proper.

Serial No. 09/249011  
Art Unit 1644

5. This application contains claims directed to the following patentably distinct species of the claimed Group III and IV: wherein the disease is:

- A) autoimmune disease,
- B) infectious disease, or
- C) inflammatory disorders

and further species wherein A/B/C is

- D) SLE,
- E) diabetes,
- F) insulinitis,
- G) arthritis,
- H) IBD,
- I) dermatitis,
- J) multiple sclerosis

These species are distinct because the pathological conditions differ in etiologies and therapeutic endpoints.

Applicant is required under 35 U.S.C. § 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 48 and 52 generic.

Again, applicant is required to elect Group III or Group IV and then A-C and further D-J.

6. Applicant is advised that a response to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 C.F.R. § 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. M.P.E.P. § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. § 103 of the other invention.

7. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.


Serial No. 09/249011

Art Unit 1644

8. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R. § 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 C.F.R. § 1.48(b) and by the fee required under 37 C.F.R. § 1.17(h).

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip Gambel whose telephone number is (703) 308-3997. The examiner can normally be reached Monday through Thursday from 7:30 am to 6:00 pm. A message may be left on the examiner's voice mail service. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on (703) 308-3973. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center 1600 receptionist whose telephone number is (703) 308-0196.

Papers related to this application may be submitted to Technology Center 1600 by facsimile transmission. Papers should be faxed to Technology Center 1600 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CM1 Fax Center telephone number is (703) 305-3014.

  
Phillip Gambel, PhD.  
Primary Examiner  
Technology Center 1600  
May 22, 2000